

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

Sacramento River Basin

ST0003	Overall LMA Rating	Total LMA Miles				
East Levee Sacramento River	A	27.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.55		0.55	2.02%		
Trim / Thin Trees	0.44		0.44	1.61%		
Encroachments	0.26		0.26	0.95%		0.07
Animal Control	1.30		1.30	4.76%		
Slope Stability	0.02		0.02	0.07%		
<i>LMA Totals:</i>	2.57	0.00	2.57	9.41%	0.00	0.07
Unit No. 01 Sacramento River	Overall Unit Rating	Total Unit Miles				
	M	20.40				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.53		0.53	2.60%		
Trim / Thin Trees	0.11		0.11	0.54%		
Encroachments	0.26		0.26	1.28%		0.07
Animal Control	1.23		1.23	6.03%		
Slope Stability	0.02		0.02	0.10%		
<i>Unit Totals:</i>	2.15	0.00	2.15	10.54%	0.00	0.07
Unit No. 02 Colusa Bypass	Overall Unit Rating	Total Unit Miles				
	A	2.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.01		0.01	0.44%		
Animal Control	0.04		0.04	1.74%		
<i>Unit Totals:</i>	0.05	0.00	0.05	2.17%	0.00	0.00
Unit No. 03 Colusa Bypass	Overall Unit Rating	Total Unit Miles				
	A	2.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.02		0.02	0.87%		
Trim / Thin Trees	0.15		0.15	6.52%		
<i>Unit Totals:</i>	0.17	0.00	0.17	7.39%	0.00	0.00
Unit No. 04 Moulton Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

Sacramento River Basin (cont.)

Unit No. 05 Moulton Bypass	Overall Unit Rating	Total Unit Miles				
	M	2.00				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.17		0.17	8.50%		
Animal Control	0.03		0.03	1.50%		
<i>Unit Totals:</i>	0.20	0.00	0.20	10.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2008 Levee Inspection Results

East Levee Sacramento River

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	20.40
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/7/2008		10/14/2008	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				
Unit Maintenance Rating (Fall Only)			M	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

East Levee Sacramento River

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 Sacramento River						Left	20.40	10/14/2008		Bob Duffey	
LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.08	0.14	Earthen Levee	Encroachments	WS	CO	Buildings	39.194978 ° -121.937502 °	39.195022 ° -121.938563 °		3
2	1.52	1.72	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.191158 ° -121.960193 °	39.189065 ° -121.962933 °		19
3	3.54	3.76	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	39.201032 ° -121.984457 °	39.203657 ° -121.982513 °		5
4	5.08	5.08	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.215410 ° -121.998902 °	39.215410 ° -121.998902 °		6
5	5.14	5.14	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.215687 ° -121.999982 °	39.215687 ° -121.999982 °		7
6	6.39	6.42	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.224475 ° -121.998647 °	39.225043 ° -121.998622 °		21
7	6.40	6.48	Earthen Levee	Encroachments	LS	M	Garbage	39.224703 ° -121.998597 °	39.225880 ° -121.998835 °		8
8	6.42	6.42	Earthen Levee	Encroachments	LS	CO	Buildings	39.225045 ° -121.998625 °	39.225045 ° -121.998625 °		22
9	8.70	8.78	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.251707 ° -121.997877 °	39.252773 ° -121.997553 °		9
10	11.90	12.21	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	39.285337 ° -122.014700 °	39.289698 ° -122.013953 °		11
11	12.41	12.41	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.292622 ° -122.013432 °	39.292622 ° -122.013432 °		12
12	12.57	12.57	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.294880 ° -122.014133 °	39.294880 ° -122.014133 °		13
13	12.69	12.69	Earthen Levee	Encroachments	LS	M	Prunings	39.296503 ° -122.014333 °	39.296503 ° -122.014333 °		23
14	12.76	12.80	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.297598 ° -122.014302 °	39.298148 ° -122.014190 °		24
15	12.83	12.83	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	39.298540 ° -122.014030 °	39.298540 ° -122.014030 °		14
16	13.04	13.11	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.301428 ° -122.013273 °	39.302403 ° -122.013303 °		25
17	15.79	15.83	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.338187 ° -122.022692 °	39.338205 ° -122.022248 °		26
18	16.05	16.19	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.340852 ° -122.023522 °	39.342767 ° -122.024128 °		27
19	16.40	16.42	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.345370 ° -122.023165 °	39.345650 ° -122.023013 °		28

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

East Levee Sacramento River

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 Sacramento River						Left	20.40	10/14/2008		Bob Duffey	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
20	16.96	16.96	Earthen Levee	Encroachments	LS	M	Prunings	39.347295 ° -122.015220 °	39.347295 ° -122.015220 °		31
21	17.32	17.32	Earthen Levee	Encroachments	LS	M	Prunings	39.349695 ° -122.009883 °	39.349695 ° -122.009883 °		32
22	17.45	17.45	Earthen Levee	Encroachments	LS	M	Prunings	39.351463 ° -122.009400 °	39.351463 ° -122.009400 °		33
23	17.64	17.94	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.354140 ° -122.009217 °	39.358262 ° -122.008192 °		35
24	17.64	18.01	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.354135 ° -122.009218 °	39.359038 ° -122.007353 °		36
25	17.65	17.65	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.354242 ° -122.009197 °	39.354242 ° -122.009197 °		34
26	18.04	18.18	Earthen Levee	Encroachments	LS	M	Equipment	39.359188 ° -122.006878 °	39.359980 ° -122.004517 °		16
27	19.72	19.72	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.376470 ° -121.994617 °	39.376470 ° -121.994617 °		18

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 02 Colusa Bypass			Right	2.30
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/7/2008		10/14/2008	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				
Unit Maintenance Rating (Fall Only)			A	

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Levee Inspection Report By Mile - Fall 2008

East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 02 Colusa Bypass	Right	2.30	10/14/2008	Bob Duffey

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.32	0.36	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.231310 ° -121.990092 °	39.231302 ° -121.989458 °		7
2	0.37	0.37	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	39.231323 ° -121.989213 °	39.231323 ° -121.989213 °		6

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**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2008 Levee Inspection Results

East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 03 Colusa Bypass			Left	2.30
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/7/2008		10/14/2008	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				
Unit Maintenance Rating (Fall Only)			A	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

East Levee Sacramento River

Waterway							Bank	Unit Miles	Inspection Date	Inspector	
Unit No. 03 Colusa Bypass							Left	2.30	10/14/2008	Bob Duffey	
LMR Line	Levee Mile		Category	Item	* Location	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	1.98	1.98	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.244888 ° -121.965595 °	39.244888 ° -121.965595 °		10
2	2.05	2.17	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.244823 ° -121.964298 °	39.244832 ° -121.962078 °		11
3	2.16	2.19	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	39.244823 ° -121.962300 °	39.244832 ° -121.961688 °		12
4	2.17	2.17	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	39.244838 ° -121.962072 °	39.244838 ° -121.962072 °		13

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

East Levee Sacramento River

Waterway		Bank	Unit Miles
Unit No. 04 Moulton Bypass		Right	0.30

	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/7/2008		10/14/2008	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				
Unit Maintenance Rating (Fall Only)			A	

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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2008****East Levee Sacramento River**

Waterway				Bank	Unit Miles	Inspection Date	Inspector
Unit No. 04 Moulton Bypass				Right	0.30	10/14/2008	Bob Duffey

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1								°	°		
								°	°		

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East Levee Sacramento River

Waterway		Bank	Unit Miles
Unit No. 05 Moulton Bypass		Left	2.00

	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/7/2008		10/14/2008	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				
Unit Maintenance Rating (Fall Only)			M	

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East Levee Sacramento River

Waterway							Bank	Unit Miles	Inspection Date	Inspector	
Unit No. 05 Moulton Bypass							Left	2.00	10/14/2008	Bob Duffey	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.85	0.85	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.340250 ° -122.008180 °	39.340250 ° -122.008180 °		3
2	0.87	1.04	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.340055 ° -122.007820 °	39.338873 ° -122.004983 °		4
3	1.03	1.03	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.338982 ° -122.005213 °	39.338982 ° -122.005213 °		5
4	1.11	1.11	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.338430 ° -122.003870 °	39.338430 ° -122.003870 °		6

*** Location**

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